

CLAIMS

1. A folding cellular wireless unit comprising a first casing containing a first circuit member, a second casing containing a second circuit member, an antenna disposed at one end of said first casing, and a hinge portion via which the other end of said first casing and one end of said second casing are connected such that said first casing and said second casing can be rotated relative to each other in a hinged manner, said folding cellular wireless unit further comprising:

a first connecting conductor connected to said first circuit member at said other end thereof, and a second connecting conductor connected to said second circuit member at said one end thereof, wherein said first connecting conductor and said second connecting conductor are disposed at least partly opposite to each other at a certain interval.

2. The cellular wireless unit according to claim 1, further comprising a magnetic member disposed in proximity to the electric connecting means between said first circuit member and said second circuit member.

3. The cellular wireless unit according to claim 1 or 2, wherein said first and said second connecting conductors include a first and a second opposing portion, respectively, that are disposed opposite to each other at said hinge portion.

4. The cellular wireless unit according to claim 3, wherein an insulator is disposed between said first opposing portion and said second opposing portion.

5. The cellular wireless unit according to claim 3 or 4, wherein said first and said second opposing portions are disposed such that a direction normal thereto is substantially parallel to the direction in which said hinge portion extends, said first and said second opposing portions having a ring-shape portion or a part thereof with an opening in which a pin constituting said hinge portion is inserted.

6. The cellular wireless unit according to any one of claims 3 to 5, wherein said first and said second connecting conductors are disposed at both ends of said hinge portion.

7. The cellular wireless unit according to claim 6, wherein the connecting conductors are opposed to each other at different intervals at said ends.

8. The cellular wireless unit according to claim 6 or 7, wherein the connecting conductors are opposed to each other with different areas at said ends.

9. The cellular wireless unit according to claim 3 or 4, wherein said first and said second opposing portions are disposed such that a direction normal thereto is substantially perpendicular to the direction in which said hinge portion extends.

10. The cellular wireless unit according to any one of claims 1 to 9, wherein the area with which said opposing portions are opposed to each other varies depending on the positional relationship between said first casing and said second casing.

11. A rotary cellular wireless unit comprising a first casing containing a first circuit member, a second casing containing a second circuit member, an antenna disposed on one end of said first casing, and a connecting portion via which the other end of said first casing and one end of said second casing are connected such that said first and said second casings are rotatable while they maintain a substantially parallel relationship, said cellular wireless unit further comprising:

a first connecting conductor connected to said first circuit member at said other end thereof, and a second connecting conductor connected to said second circuit member at said one end thereof, wherein said first connecting conductor and said second connecting conductor are disposed at least partly opposite to each

other at a certain interval.

12. The cellular wireless unit according to claim 11, wherein the state of the opposed arrangement varies depending on the rotation.

13. The cellular wireless unit according to any one of claims 1 to 12, wherein, as said casings are rotated relative to each other in a hinged manner, or rotated keeping substantially parallel to each other, the effective casing length relative to said antenna is adjusted in a direction such that the drop of antenna efficiency is prevented.

14. A folding cellular phone comprising a first casing containing a first circuit member, a second casing containing a second circuit member, and an antenna disposed at one end of said first casing, said cellular wireless unit further comprising:

an adjustment mechanism for adjusting the effective casing length relative to said antenna in a direction such that the drop in antenna efficiency can be prevented, depending on the change in the positional relationship between said first casing and said second casing.

15. A cellular wireless unit comprising an antenna mounted at one end of a casing, wherein said casing has two different figures, namely, a first figure and a second figure, said cellular wireless unit further comprising an adjustment mechanism for adjusting the effective antenna length relative to said antenna in a direction such that the drop in antenna efficiency can be prevented depending on the change in the figure of said casing.

16. A folding cellular wireless unit comprising a first casing containing a first circuit member, a second casing containing a second circuit member, and an

antenna disposed at one end of said first casing, said cellular wireless unit further comprising:

an adjustment mechanism for adjusting the effective casing length relative to said antenna in a direction such that the drop in antenna efficiency can be prevented, depending on a change in the positional relationship between said first casing and said second casing.

17. A rotary cellular wireless unit comprising a first casing containing a first circuit member, a second casing containing a second circuit member, and an antenna disposed at one end of said first casing, wherein said first casing and said second casing can be rotated, said rotary cellular wireless unit further comprising:

an adjustment mechanism for adjusting the effective casing length relative to said antenna in a direction such that the drop in antenna efficiency can be prevented, depending on a change in the positional relationship between said first casing and said second casing.

18. A slidable cellular wireless unit comprising a first casing containing a first circuit member, a second casing containing a second circuit member, and an antenna disposed at one end of said first casing, wherein said first casing and said second casing are slidably movable in the direction in which said antenna extends, said cellular wireless unit further comprising:

an adjustment mechanism for adjusting the effective casing length relative to said antenna in a direction such that the drop in antenna efficiency can be prevented, depending on a change in the positional relationship between said first casing and said second casing.